



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
MESTER, et al. )  
 )  
Application No. 10/643,151 )  
 )  
Filed: 08/19/2003 )  
 )  
For: PHOTOCHEMICAL TRANSFORMATION )  
OF METALLIC AND NON-METALLIC )  
IONS IN AN AQUEOUS ENVIRONMENT )

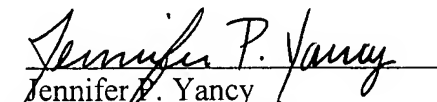
INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents  
Washington, DC 20231

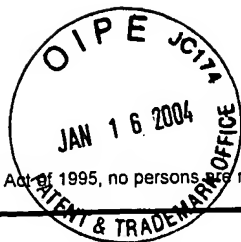
Sir.

Pursuant to the requirements of 37 C.F.R. 1.97 and 1.98, Applicant respectfully requests that the references listed in the attached Form PTO/SB/08B be considered and made of record in the above referenced application.

Respectfully submitted,

  
Jennifer P. Yancy  
Registration No. 47,003

JONES, TULLAR & COOPER, P.C.  
P.O. Box 2266 Eads Station  
Arlington, VA 22202  
Telephone (703) 415-1500  
Dated: January 16, 2004



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/643,151
Filing Date	08/19/2003
First Named Inventor	MESTER
Group Art Unit	
Examiner Name	
Attorney Docket Number	308-018

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		FREDERICK CHALLENGER, "Biological Methylation," p. 420-491,	
		ARDON, ET AL., "The Methylpentaquochromium (III) Ion," Inorganic Chemistry, Vol. 10 ( No. 12), p. 2812, (1971).	
		AKAGI, ET AL., "Photochemical Transformation of Mercuric Sulfide into Methylmercury in Aqueous Solutions," Chemistry Letters, Chemical Society of Japan, p. 1-4, (1976).	
		LARS LANDNER, "Biochemical Model for the Biological Methylation of Mercury suggested from Methylation Studies in vivo with Neurospora crassa", Nature, Vol. 230, p. 452-454, (1971)	
		KIKUCHI, ET AL., "Kinetics of the reduction Reaction of Selenate Ions by TiO <sub>2</sub> Photocatalyst," Journal of the Electrochemical Society, Vol. 147 ( No. 12), p. 4589-4593, (2000).	
		AMOUROUX, ET AL., "Formation of Volatile Selenium Species in Synthetic Seawater under Light and Dark Experimental Conditions," Applied Organometallic Chemistry, Vol. 14, John, Wiley & Sons, Ltd., p. 236-244, (2000).	
		GOSIO, "Recherches ulterieures sur la biologie et sur le chimisme des arsenio-moisissures," Archives italiennes de Biologie, p. 201-213,	
		CHALLENGER, ET AL., "The production of Organo-metalloidal Compounds by Micro-organisms. Part II. Dimethyl Selenide," The University, Leeds, p. 68-71, ( December 19, 1933).	
		ZAYED, ET AL., "Accumulation and volatilization of different chemical species of selenium by plants," Planta, Vol. 206, p. 284-292, (1998).	
		ATKINSON, ET AL., "Kinetics of the Atmospherically Important Reactions of Dimethyl Selenide," Environ. Sci. Technol., American Chemical Society, Vol. 24., p. 1326-1332, (1990).	
		HANSEN, ET AL., "Selenium Removal by Constructed Wetlands: Role of Biological Volatilization," Environ. Sci. Technol., American Chemical Society, Vol. 32 ( No. 5), p. 591-597, (1998).	

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

